FINAL AIR MONITORING REPORT
ASBESTOS ABATEMENT

R & H Oil
403 Sommerset
San Antonio, TX
August, 2001

Prepared by:

A&B ENVIRONMENTAL SERVICES, INC.
1105 E. Harrison
Harlingen, Texas 78550

Submitted by

Romeo Castillo III
TDH Licensed Asbestos Project Manager
(TDH NO. 50-0724)
TDH Licensed Air Monitoring Technician
(TDH NO. 70-5864)

A&B Environmental Services, Inc. is a Texas Department of Health (TDH) licensed asbestos laboratory (TDH License No. 30-0080) and a licensed asbestos consultant agency (TDH License No. 10-0094). Air monitoring and analysis along with project management was conducted by Romeo Castillo, III a licensed air monitoring technician (TDH License No. 70-5864) and licensed asbestos project manager (TDH License No. 50-0724). Through the abatement activities, A&B conducted air sampling analysis by Phase Contrast Microscopy (PCM) NIOSH 7400 method "A" counting rules. A&B is an active member of the National Voluntary Laboratory Accreditation Program (NVLAP) in good standing and is licensed by the State of Texas Department of Health. The OSHA Permissible Exposure Limit (PEL) airborne asbestos fiber concentration level is 0.1 f/cc (fibers/cubic centimeter). The Texas Department of Health (TDH) clearance limit is 0.01 f/cc. The results of the air monitoring are presented in Appendix A.

The asbestos abatement was conducted by Access Environmental Services, San Antonio, Texas.

On August 20 through August 28, 2001, baseline, area, and clearance air monitoring was conducted during the removal of asbestos containing material (ACM) from the former R & H Oil Company.

On August 20, 2001, at 0800 hrs, R. Castillo made contact with Scott St. John and Matt Salinger (CET Environmental), and Gary Moore (EPA). At 1330 hrs, Don Weiss and Fernando Duran (Access Environmental) arrived on-site and a pre-abatement meeting was conducted. On August 21, 2001 Access Environmental mobilized eight (8) workers and one (1) supervisor. A site safety meeting was conducted by Scott St. John and Matt Salinger (CET). At 0930 Access began prep-work on the boiler room and pipes on the exterior pipe rack and the pump house. At 1000 the pipe rack work area was sectioned off and the metal bands securing the metal pipe shell were removed. Prep-work continued after lunch (1200-1300) on the pipes and the boiler. An open-top roll-off box was exchanged for an enclosed roll-off box. All work was stopped at 1700 hrs. At 0700 hrs on August 22, 2001, Access Environmental arrived on site with one (1) supervisor (Charles Smith) and six (6) workers. : Prep-work continued on the roll-off and the boiler room. At 0730 MAP accreditation certificates were reviewed with C. Smith (Access).

Matt Salinger (CET) reviewed a health and safety plan with C. Smith. Prep-work was completed on the pipe rack at 1200 hrs. Permission was given to begin wet method glove bag removal of Thermal System Insulation (TSI). Two workers single suited in disposable coveralls, donned in half-face respirators, and wearing rubber boots began gross removal of TSI. At 1700 hrs four (4) more workers arrived on site and entered the work area single suited, donned in half-face respirators, and wearing rubber boots to cut and store the exposed pipe. All workers deconned at 1800 hrs and departed the site. On August 23, 2001 Access arrived on site with nine (9) workers and two (2) supervisors. Three workers continued cutting the exposed pipe and prep-work continued in the boiler room and commenced in the lab area. At 1000 pre-abatement inspection was conducted on the boiler room containment. Negative pressure was

established and six (6) workers donned in half-face respirators, single suited and wearing rubber boots entered the containment and began gross removal of boiler insulation and air-cell shell. All parties deconned, departed for lunch and returned at 1300. Five (5) workers single suited, donned in half-face respirators, and wearing rubber boots re-entered the boiler room containment and continued with the gross removal of ACM. At 1500 hrs the prep-work on the distillation tower was completed (double wrapped in 6 mil polyethelene) and the tower was removed in one piece and placed in the poly-lined roll-off box. Permission was given by Gary Moore (EPA) to work until 1900 hrs. At 1800 work was stopped due to time (minimum four more hours) required to finish the next task. All workers deconned and departed the site. On August 24, 2001 at 0700 hrs Access arrived on site with four (4) workers and one (1) supervisor. Four (4) workers single suited, donned in half-face respirators, and wearing rubber boots entered the boiler room containment and continued with the final clean up. At 1145 hrs a visual inspection was conducted by the project manager and abatement supervisor. A re-cleaning of the boiler outer shell was assigned. At 1215 a final visual inspection was conducted by the project manager and an encapsulant was applied. All workers deconned out of the containment and departed the job site for the day. On August 27, 2001 at 0700 hrs Access arrived with three (3) workers and one (1) supervisor. Three (3) workers single suited, donned in half-face respirators, and wearing rubber boots began repairs on the boiler room containment. Access workers deconned and departed the job site. Clearance samples were collected from the boiler room containment and clearance was achieved at 1100 hrs. At 1345 hrs Access returned to the job site with four (4) workers and one (1) supervisor. Two (2) workers began removing the boiler room containment and two (2) workers completed the lab containment. At 1400 hrs a conference call was placed involving Don Weiss (Contractor/Access), Charles Fisher (EPA), Matt Salinger (Project Manager/CET), Romeo Castillo (Project Manager/A & B), Alberto Torres (Supervisor/Access), and Eric Delgado (Kervic/Weston) concerning the abatement specifications. At 1420 hrs a visual inspection was conducted on the lab area containment and permission was given to commence the gross removal of floor tile and mastic. Three (3) workers single suited, donned in half-face respirators, and wearing rubber boots entered the containment and began the gross removal of the flooring. Gross removal of floor tile and mastic was completed at 1848 hrs. A visual inspection was conducted by the project manager and abatement supervisor. An encapsulant was applied. All workers deconned and departed the job site at 1700 hrs. On August 28, 2001 Access arrived on site at 0830 hrs. A general clean up of all work areas commenced until the abatement supervisor arrived at 0920 hrs. Clearance samples were collected from the lab containment and clearance was achieved at 1000 hrs. At this time workers began to remove both containments. After 1300 hrs workers began to install glove bags on the remaining pipe runs. The pipes (approximately ten linear feet) were wrapped in poly, glove bagged, cut, and removed by three workers single suited and dphned in half-face respirators. Matt Salinger (CET), Alberto Torres (Access), and Romeo Castillo (A&B) conducted one final visual inspection of the work areas. All containments were removed and Access Environmental demobilized at 1700 hrs.

The work area was continually monitored throughout the removal project. All clearance samples were below the detection limit of 0.004 f/cc. Personnel Protective Equipment (PPE) was worn at all times during the abatement activities. Attached you will find, the air monitoring results.

Analyst: Romeo Castillo, III

Project#: Task Order 20

Building: R& H Oil Co.

Contractor: Access Environmental

Log: 2

,B Environmental Services

05 E. Harrison

arlingen, TX 78550

56) 412-3660 (O)

56) 423-3737 (F)

Type Code

P = Personnel

A = Ambient

B = Baseline

C = Clearance

FB = Field Blank

LB = Lab Blank

EL = Excursion Limit

PC = Preclearance

Date cal.	Work Code Description of Work	Type Code	Sample Location	Sample No.	Pump No.	Date Analyzed	Flow Rate	Start Time	Stop Time	Time Minutes	Volume Liters	Counted View	Conc. f/cc
8/24/01	Removal of TSI (Boilers)	A	Negative Air Exhaust (North)	0824-01		08/24/01	3.0	0800	1230	270	810	0.03	<0.004
8/24/01	Removal of TSI (Boilers)	A	Decon (South)	0824-02		08/24/01	3.0	0801	1231	270	810	0.05	<0.004
8/24/01	Removal of TSI (Boilers)	A	Inside containment (North Critical)	0824-03		08/24/01	3.0	0759	1229	270	810	0.07	<0.004
8/24/01	Removal of TSI (Boilers)	FB	Field blank	0824-04		08/24/01	n/a	n/a	n/a	n/a	n/a	0.01	<0.004
8/24/01	Removal of TSI (Boilers)	FB	Field blank	0824-05		08/24/01	n/a	n/a	n/a	n/a	n/a	0.01	<0.004
8/27/01	Removal of TSI (Boilers)	C	Clearance (Boiler)	0827-01		08/27/01	14.0	0800	1033	93	1302	0.03	<0.004
8/27/01	Removal of TSI (Boilers)	C	Clearance (Boiler)	0827-02		08/27/01	14.0	0800	1033	93	1302	0.06	<0.004
8/27/01	Removal of tile/mastic (Lab)	A	Decon (East)	0827-03		08/27/01	3.0	1420	1900	240	720	0.01	<0.004
8/27/01	Removal of tile/mastic (Lab)	A	Negative Air Exhaust (North)	0827-04		08/27/01	3.0	1421	1901	240	720	0.03	<0.004
8/27/01	Removal of tile/mastic (Lab)	A	Inside containment (South Critical)	0827-05		08/27/01	3.0	1422	1902	240	720	0.02	<0.004
8/27/01	Removal of tile/mastic (Lab)	FB	Field blank	0827-06		08/27/01	n/a	n/a	n/a	n/a	n/a	0.01	<0.004
8/27/01	Removal of tile/mastic (Lab)	FB	Field blank	0827-07		08/27/01	n/a	n/a	n/a	n/a	n/a	0.01	<0.004
8/28/01	Removal of tile/mastic (Lab)	C	Clearance (Lab	0828-01		08/28/01	14.0	0800	0933	93	1302	0.01	<0.004
8/28/01	Removal of tile/mastic (Lab)	C	Clearance (Lab	0828-02		08/28/01	14.0	0800	0933	93	1302	0.05	<0.004

The TDH regulatory limit for area clearance is 0.01 fibers per cubic centimenter (f/cc). Detection limit is 0.004 f/cc.